

Abstract

The silicon carbide-based catalytic body of the present invention comprises:

5 a porous body of given shape comprising a first bonded structure formed by bonding a large number of silicon carbide particles as an aggregate to each other in a state that a large number of fine pores are present, and

a catalyst containing an alkali metal and/or an alkaline earth metal, loaded on the porous body,
10 characterized in that the catalyst is loaded via a crystalline coating film comprising an oxide and formed on at least part of the surfaces of the silicon carbide particles forming the first bonded structure. In the catalytic body, the catalyst such as NO_x occlusion catalyst or the like,
15 loaded thereon can maintain its activity over a long period.